March 15, 2006

VIA UPS

Mary Logan
U.S. EPA Region V (SR-6J)
77 W Jackson Boulevard
Chicago, IL 60604-3590

RÜTGERS Organics Corporation

Sheila Abraham
Ohio EPA - NE District Office
Div. Of Emergency & Remedial Response
2110 East Aurora Road
Twinsburg, OH 44087

Remedial Response Section Manager
Ohio EPA - DERR
P.O Box 1049
Lazarus Government Center Office
122 South Front Street
Columbus, OH 43216-1049

Re: FEBRUARY 2006 MONTHLY REPORT
RI/FS & REMOVAL ACTION
NEASE CHEMICAL SITE
SALEM, OHIO

In accordance with Paragraph X E of the Administrative Order by Consent regarding a Remedial Investigation/Feasibility Study (RI/FS) of the Nease Chemical Site in Salem, Ohio, attached is a copy of the February 2006 RI/FS Progress Report.

Additionally, in accordance with Paragraph 14 of the Administrative Order by Consent, signed November 17, 1993, attached is a copy of the February 2006 Removal Action Progress Report

Please contact us if you have any questions regarding activities discussed in these reports.

Sincerely,

Rainer Domalski

Dr. Rainer F Domalski
Site Coordinator

Enclosures

cc M. Hardy – Thompson Hine
Steve Finn – Golder Associates, Inc

031506

201 Struble Road
State College, PA 16801

Phone 814-238-2424
Fax 814-238-1567
web-site http RUETGERS-ORGANICS-CORP COM

Member of the RUTGERS Chemicals Group

NEASE CHEMICAL SITE, SALEM, OHIO
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
MONTHLY PROGRESS REPORT
FEBRUARY 2006

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph XE of the Administrative Order of Consent regarding a Remedial Investigation/Feasibility Study of the Nease Chemical Site in Salem, Ohio The report summarizes the major RI/FS actions during the month along with investigation results and any problems encountered in the project Activities planned for next month are also presented.

2.0 SUMMARY OF ACTIVITIES PERFORMED

2 1 PROJECT ACTIVITY SUMMARY

The activities that were initiated and/or completed during the month are described All activities were performed in accordance with the detailed protocol provided in the approved Work Plan

2.2 FIELDWORK

None

2.3 REPORTS

2 3.1 REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS)

The final Record of Decision for Operational Unit #2 (onsite) was signed by the agency on September 29, 2005 The agency submitted a draft Administrative Order of Consent (AOC) for the pre-design investigation and design of the remedial action to ROC at the beginning of January 2006 ROC made a good faith offer to negotiate the AOC with the agency

In preparation of the upcoming Feasibility Study (FS) for OU-3 (Feeder Creek, MFLBC), the agencies and ROC agreed on additional sampling in the MFLBC including sediment, fish, surface water and flood plain soil to have a sufficient data base for the study The first step, the reconnaissance of sediment bodies in the MFLBC, was performed from August 1 through 15, 2005. Sediment and fish samples were taken in the week of October 10, 2005, the surface water samples in the last October week. The analytical results of the samples taken were validated by the ROC's technical consultant and submitted to the agencies. Sampling locations for the flood plain soil were determined. Ohio EPA contacted the property owners at these locations and informed them the upcoming event. ROC has obtained an access agreement with the owners.

2.4 MEETINGS

On February 17, 2006, US EPA, OEPA and ROC had a meeting discussing mainly the upcoming field and pilot work during the pre-design phase for OU-2.

3.0 VARIATIONS FROM THE APPROVED RI/FS WORK PLAN

None

4.0 RESULTS OF SAMPLING, TESTS AND ANALYSES

None

5.0 PROJECT SCHEDULE

The current Work Plan schedule identifies completion and target dates for project activities Those scheduled to occur over the next several months include

- Feasibility Study OU-3 (Feeder Creek, Middle Fork of Little Beaver Creek)

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

No significant difficulties were encountered.

7.0 PERSONNEL CHANGES

None

8.0 ANTICIPATED PROJECT ACTIVITIES FOR MARCH 2006

- Monthly Progress Report February 2006
- Develop data base for upcoming FS for OU-3 (Feeder Creek/Middle Fork of Little Beaver Creek)
- MFLBC Flood plain sampling

031506

TABLE 1
NEASE CHEMICAL SITE, SALEM, OHIO
RI/FS SCHEDULE

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE
	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report
August 30, 2004	US EPA Region V/ OEPA approve Endangerment Assessment
September 1, 2004	Draft Feasibility Study (OU-2) submitted to the agencies for review
September 9, 2004	Submit Monthly Progress Report
September 13, 2004	Submit Final Revision to Endangerment Assessment
October 8, 2004	Submit Monthly Progress Report
November 10, 2004	Submit Monthly Progress Report
November 22, 2004	Received Agencies' comments for draft FS (OU-2)
December 10, 2004	Submit Monthly Progress Report
January 10, 2005	Submit Monthly Progress Report
February 10, 2005	Submit Monthly Progress Report
March 1, 2005	Final Draft Feasibility Study (OU-2) submitted to agencies for review
March 4, 2005	Submit Monthly Progress Report
April 8, 2005	Submit Monthly Progress Report
April 21, 2005	US EPA Region V/OEPA approve Final Feasibility Study for OU-2
May 9, 2005	Submit Monthly Progress Report
May 31, 2005	US EPA Region V published the Proposed Remedial Action the OU-2 (onsite)
June 9, 2005	Submit Monthly Progress Report
July 8, 2005	Submit Monthly Progress Report
August 10, 2005	Submit Monthly Progress Report
Aug. 1 – 15, 2005	MFLBC – Reconnaissance of sediment bodies
September 9, 2005	Submit Monthly Progress Report
September 29, 2005	US EPA Region V signs Final Record of Decision for OU-2
October 10, 2005	Submit Monthly Progress Report
November 9, 2005	Submit Monthly Progress Report
December 8, 2005	Submit Monthly Progress Report
January 9, 2006	Submit Monthly Progress Report
February 8, 2006	Submit Monthly Progress Report
March 15, 2006	Submit Monthly Progress Report

NEASE CHEMICAL SITE, SALEM, OHIO
REMOVAL ACTION
MONTHLY PROGRESS REPORT
FEBRUARY 2006

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph 14 of the "Order" section of the Administrative Order by Consent (AOC) Docket No V-W-94-C-212, effective November 17, 1993, regarding a Removal Action for the Nease Chemical Site in Salem, Ohio The report summarizes the major activities during the month along with investigation results and any problems encountered on the project Activities planned for next month are also presented

2.0 SUMMARY OF ACTIVITIES PERFORMED

2 1 PROJECT ACTIVITY

The activities that were initiated and/or completed during this month are described below Activities were performed in accordance with the Removal Action AOC

The agencies and ROC discussed modifications of the existing onsite groundwater treatment system to optimize the protection against spills. ROC summarized the modifications agreed by the parties in a letter to the agencies. The necessary scope of work is currently for bid at several contractors

2 2 WORK PLAN PREPARATION/REPORTS

No work plans/reports were submitted this period

2.3 FIELDWORK

2 3 1 SITE INSPECTIONS

The results of the monthly site inspection carried out at the site on February 27, 2006 are shown in Attachment 1.

2.3 2 MONTHLY WATER LEVEL MEASUREMENTS

The quarterly water level measurements were conducted on February 27, 2006.

2 3 3 TREATMENT PLANT OPERATION

The treatment plant operated mostly normal throughout the month

2.4.1.1 MEETINGS

None

3.0 VARIATIONS FROM THE APPROVED REMOVAL ACTION WORK PLAN

None

4.0 RESULTS OF INSPECTIONS, ENVIRONMENTAL SAMPLING, TESTS AND ANALYSES

Water monitoring samples were collected from the treatment plant on February 1 and 15, 2006 (see Attachments 2 and 3; Lab. Exygen Research). The evaluation for acute toxicity was conducted from February 14 through 18, 2006 Attachment 4. The planned evaluation of the chronic toxicity could not perform because the samples were not delivered in time. In agreement with the agency, this test will be done during the next quarterly sampling for acute toxicity

5.0 PROJECT SCHEDULE

The updated Work Plan schedule identifies completion and target dates for project activities

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

As result of an OEPA site inspection in April 2004 and the overflow of the GWTP influent tank in June 2004 ROC has proposed some modification of the groundwater treatment system US EPA Region V and OEPA approved the proposed changes Golder, ROC's consultant, has submitted a detailed design that will be subject to the agencies' review. Final modifications were agreed on during a conference call on August 16, 2005. The results were summarized in a letter report to the agencies. Golder submitted bidding documents to several contractors

On February 18, 2006, the leachate collection system LC-2 had to be shutdown because of an apparent leak in the transfer pipe from the pump sump to the storage tank The agencies were informed right-away. Several tests were conducted (i.e., functionality of the check-valves) After filling the discharge pipe with clean water, it appears that there is a leak right where the pipe starts at the pump sump. ROC has contracted Whan Construction for digging up the pipe in this area The work will be performed mid-March under supervision of ROC's consultant, Golder Associates.

7.0 PERSONNEL CHANGES

No personnel changes occurred during month.

8.0 TYPES AND QUANTITIES OF REMOVED MATERIALS

For the period from February 1 through 28, 2006 the following material was removed:

- 10,300 gallons of leachate and/or backwash water were disposed off-site at a licensed treatment facility.
- Approximately 78,760 gallons were pumped from Leachate Collection System 1 (LCS-1) (total for LCS-1 =18,247,646 gal).
- Approximately 3,267 gallons were pumped from Leachate Collection System 2 (LCS-2) (total for LCS-2 = 1,402,788 gal)
- No water was pumped from Pond 1 (total for the pond = 962,084 gallons).
- Approximately 6.5 pounds of organic compounds were removed during pumping (estimate based on average VOC/SVOC concentrations for each source).

9.0 ANTICIPATED PROJECT ACTIVITIES FOR MARCH 2006

Removal Action activities scheduled for the upcoming month include on-going implementation of the approved Removal Action Work Plan involving:

- Collection of groundwater from the existing collection systems LCS-1, LCS-2 and Pond 1.
- Implementation of planned treatment plant modifications
- Repair of Leachate Collection System LCS-2
- Monthly Progress Report for February 2006

TABLE 1
NEASE CHEMICAL SITE, SALEM, OHIO
REMOVAL ACTION SCHEDULE

DATE	TASK/ACTIVITY/DELIVERABLE/MILESTONE
	Documentation of the Site Activities through July 31, 2004 can be reviewed in the July 2004 Monthly Progress Report
September 9, 2004	Submit Monthly Progress Report
October 8, 2004	Submit Monthly Progress Report
November 10, 2004	Submit Monthly Progress Report
December 10, 2004	Submit Monthly Progress Report
January 10, 2005	Submit Monthly Progress Report
February 10, 2005	Submit Monthly Progress Report
March 4, 2005	Submit Monthly Progress Report
April 8, 2005	Submit Monthly Progress Report
May 9, 2005	Submit Monthly Progress Report
June 9, 2005	Submit Monthly progress Report
July 8, 2005	Submit Monthly Progress Report
August 10, 2005	Submit Monthly Progress Report
September 9, 2005	Submit Monthly Progress Report
October 10, 2005	Submit Monthly Progress Report
November 9, 2005	Submit Monthly Progress Report
December 8, 2005	Submit Monthly Progress Report
January 9, 2006	Submit Monthly Progress Report
February 8, 2006	Submit Monthly Progress Report
March 15, 2006	Submit Monthly Progress Report

ATTACHMENT 1

RESULTS OF MONTHLY SITE INSPECTION
NEASE CHEMICAL SITE, SALEM, OHIO
FEBRUARY 2006

SITE INSPECTION FORM
RUETGERS-NEASE CORPORATION
Nease Site, Salem, Ohio

Date of Inspection: 2-27-06

Entry Time: 830 Hrs. Exit Time: 1200 Hrs.

Weather: Cloudy + Cold

Inspector's Name: Dennis L. Lane

Inspector's Company: Howells and Baird, Inc.

INSPECTION RESULTS

SPECIFIC OBSERVATIONS: Structures

(Responses: S = Satisfactory U = Unsatisfactory Yes/No Levels Measured in Feet, N/A = Not Applicable)

	Pump	Quick Connect	Water Level	Berm Erosion	Visible Leakage
Leachate Collection System 1 (LCS-1)	S	S	7.60	N/A	No
Leachate Collection System 2 (LCS-2)	S	S	5.91	N/A	YES PUMP OFF
Pond 1 Pumphouse	S	S	9.24	N/A	No
Pond 1 Berm	N/A	N/A	N/A	No	No
Pond 2 Embankment	N/A	N/A	N/A	No	No
Exclusion Area A Embankment	N/A	N/A	N/A	No	No
Storage Tank	N/A	S	3.98	N/A	No
Other (specify)					

SPECIFIC OBSERVATIONS: Sediment Barriers

Condition of Sediment Barriers

Barrier ID	Fabric Intact?	By Passing Evident?	Is Maintenance Necessary?
Sediment Control Structure 1	YES	No	No
Sediment Control Structure 2	YES	No	No
Fabric Barrier 2	YES	No	No
Fabric Barrier 3	YES	No	No
Fabric Barrier 4	YES	No	No
Fabric Barrier 5	YES	No	No
Fabric Barrier 8	YES	No	No
Fabric Barrier 9	YES	No	No
Fabric Barrier 10	YES	No	No
Rock Barrier 1	YES	No	No
Rock Barrier 2	YES	No	No
Pond 7 - North	YES	No	No
Pond 7 - South	YES	No	No

SPECIFIC OBSERVATIONS: Seeps (if present, use more forms, as necessary)

Seep ID (yr-month-#)	Located on Map	Areal Extent (ft 2)	Magnitude (flow?; ponding?)
94-7-1	YES	20	NON-FLOWING SEEP
96-8-2	YES	20	NON-FLOWING SEEP

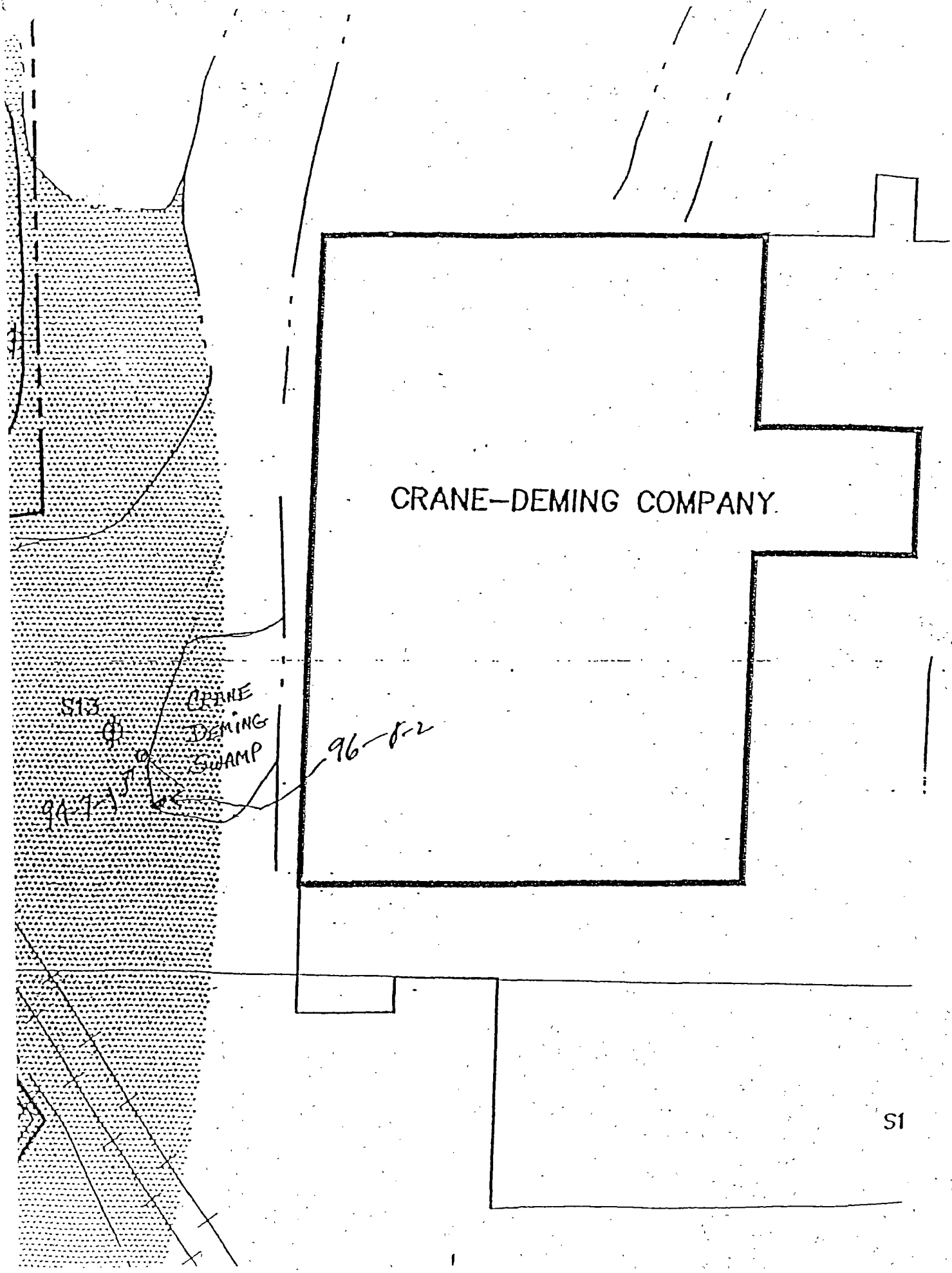
Note Seep ID # equal the "nth' observed seep during the yr-month in question

ADDITIONAL OBSERVATION OR REMARKS:

Inspector's Name: DENNIS L. LANE

Inspector's Signature: Dennis L. Lane

Date: 2-28-06


CRANE–DEMING COMPANY
S13
CRANE DEMING SWAMP
96-8-2
94-7-1
S1

ATTACHMENT 2

QUARTERLY WATER LEVEL MEASUREMENTS – FEBRUARY 27, 2006
NEASE CHEMICAL SITE, SALEM, OHIO

Quarterly Monitoring Well Water Level Measurements Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection: February 27, 2006
Entry Time: 9:00 **Exit Time:** 4 00

Inspector's Name: Gerald Wilhelm
Inspector's Company: Howells & Baird

Inspector's Signature Gerald F. Wilhelm

Well Number	Depth to Water (feet)	Casing & Lock Intact?	Date	Comments
AUBA	28 87	Yes	02/27/06	
A-S	14 20	Yes	02/27/06	
B-S	10.53	Yes	02/27/06	
C-S	7.13	Yes	02/27/06	
CLBA	12 60	Yes	02/27/06	
CUBA	10.12	Yes	02/27/06	
D-1	22 12	Yes	02/27/06	
D-2	24.94	Yes	02/27/06	
D-3	11 21	Yes	02/27/06	
D-4	21 64	Yes	02/27/06	
D-5	31 51	Yes	02/27/06	
D-6	20.44	Yes	02/27/06	
D-7	3.65	Yes	02/27/06	
D-8	2.54	Yes	02/27/06	
D-9	13 09	Yes	02/27/06	
D-10	10.09	Yes	02/27/06	
D-11	23.21	Yes	02/27/06	
D-12	21.98	Yes	02/27/06	
D-13	30 10	Yes	02/27/06	
D-14	6.72	Yes	02/27/06	
D-15	7 16	Yes	02/27/06	
D-16	0.00	Yes	02/27/06	
D-17	4 89	Yes	02/27/06	
DLBA	0.00	Yes	02/27/06	
DVF2	?	Lid Bolted On	02/27/06	
DVF3 D-S	4.03	Yes	02/27/06	
ELBA	2 59	Yes	02/27/06	
EVF1	6 32	Yes	02/27/06	
EVF2	9.96	Yes	02/27/06	
EVF3	5 52	Yes	02/27/06	
EVF4	4 62	Yes	02/27/06	
EW-4	10.00	Yes	02/27/06	
EW-5	10 89	Yes	02/27/06	
FLBA	10.31	Yes	02/27/06	
FVF3	11 44	Yes	02/27/06	
FVF4	12.84	Yes	02/27/06	

Monthly Monitoring Well Water Level Measurement Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection: February 27, 2006
Entry Time: 8:00 **Exit Time:** 4:00

Inspector's Name: Gerald Wilhelm
Inspector's Company: Howells & Baird

Inspector's Signature Gerald F. Wilhelm

Well Number	Depth to Water (feet)	Casing & Lock Intact?	Date	Comments
FVF6	10.51	Yes	02/27/06	
GUBA	3.42	Yes	02/27/06	
H-S	5.27	Yes	02/27/06	
HUBA	16.20	Yes	02/27/06	
HVF1	15.02	Yes	02/27/06	
I-SHALE	15 71	Yes	02/27/06	
ILBA	49.84	Yes	02/27/06	
I-S	15 72	Yes	02/27/06	
IUBA	28.24	Yes	02/27/06	
JLBA	4 76	Yes	02/27/06	
JVF2	11 63	Yes	02/27/06	
JVF3	9.44	Yes	02/27/06	
JVF4	7 26	Yes	02/27/06	
KLBA	0.77	Yes	02/27/06	
KVF2	0.34	Yes	02/27/06	
KVF4 K-S	2 61	Yes	02/27/06	
LBA	22 35	Yes	02/27/06	
LVF1	12 29	Yes	02/27/06	
LVF2	17.01	Yes	02/27/06	
P-1A	5.84	Yes	02/27/06	
P-2A	6 80	Yes	02/27/06	
P-3A	6 79	Yes	02/27/06	
P-1U	37.95	Yes	02/27/06	
P-1L	34 39	Yes	02/27/06	
P-2U	29.62	Yes	02/27/06	
P-2L	38.12	Yes	02/27/06	
PZ-1	11 25	Yes	02/27/06	
PZ-2	12.82	Yes	02/27/06	
PZ-3S	11 41	Yes	02/27/06	
PZ-3M	22.05	Yes	02/27/06	
PZ-3B	31 16	Yes	02/27/06	
PZ-4S	10.15	Yes	02/27/06	
PZ-4M	18 91	Yes	02/27/06	
PZ-4B	26.95	Yes	02/27/06	
PZ-5S	3 38	Yes	02/27/06	
PZ-5M	13 79	Yes	02/27/06	

Monthly Monitoring Well Water Level Measurement Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection: February 27, 2006
Entry Time: 8.00 **Exit Time:** 4 00

Inspector's Name: Gerald Wilhelm
Inspector's Company: Howells & Baird

Inspector's Signature Gerald L. Wilhelm

Number	Water (feet)	Lock Intact?	Date	Comments
PZ-5T	12 49	Yes	02/27/06	
PZ-5B	14 17	Yes	02/27/06	
PZ-6B-U	15 47	Yes	02/27/06	
PZ-6B-M	14.61	Yes	02/27/06	
PZ-6B-L	13.62	Yes	02/27/06	
PZ-7	6.84	Yes	02/27/06	
RW-1	24.19	Yes	02/27/06	
S-1	11 82	Yes	02/27/06	
S-2	6 53	Yes	02/27/06	
S-3	4.66	Yes	02/27/06	
S-4	4 26	Yes	02/27/06	
S-5	13 41	Yes	02/27/06	
S-6	5 36	Yes	02/27/06	
S-7	4.27	Yes	02/27/06	
S-8	3 62	Yes	02/27/06	
S-9	15 11	Yes	02/27/06	
S-10	9 19	Yes	02/27/06	
S-11	7.31	Yes	02/27/06	
S-12	2 61	Yes	02/27/06	
S-13	4 25	Yes	02/27/06	
S-14	2 35	Yes	02/27/06	
S-15	1 04	Yes	02/27/06	
S-16	11.43	Yes	02/27/06	
S-17	2 23	Yes	02/27/06	
S-18		Yes	02/27/06	
S-19	7.56	Yes	02/27/06	
SP-1	4.71	Yes	02/27/06	
SP-2	4.72	Yes	02/27/06	
SP-3	4 62	Yes	02/27/06	
SP-4	4 72	Yes	02/27/06	
SP-5	4 62	Yes	02/27/06	
SP-6	5 30	Yes	02/27/06	
LCS-1	5 66		02/27/06	
LCS-2	4 71		02/27/06	
Pond 1	9.29		02/27/06	

Site Inspection Form
Ruetgers Organics Corporation
Nease Site, Salem, Ohio

Date of Inspection:

Inspector's Name: Gerald Wilhelm

Gerald L. Wilhelm
Inspector's Signature

2-28-06
Date

ATTACHMENT 3

WATER SAMPLING RESULTS – FEBRUARY 1, 2006
NEASE CHEMICAL SITE, SALEM, OHIO

Exygen™ RESEARCH
Precise Research
Proven Results.

Analytical Report

Rütgers Organics Corporation

Exygen Research Project:

L7377

Testing Laboratory

Exygen Research
3058 Research Drive
State College, PA 16801

Requester

Dr. Rainer Domalski
Rutgers Organics Corporation
201 Struble Road
State College, PA 16801

3058 Research Drive
State College, PA 16801, USA
T: 800.281.3219
F: 814.272 1019
exygen.com

1 Introduction

Results are reported for the analysis of samples taken on 2/1/06. The samples were received from Rutgers Organics Corporation.

2 Sample Receipt

The sample shipment was logged in and given a unique Exygen laboratory identification number. All samples were stored refrigerated at 4°C from time of receipt until analysis. A copy of the custody documents, and sample login reports are presented in Attachment A. Listed below is the sample receipt information for the project received.

The samples were received on 2/2/06 in one package. The samples were received at 2.8°C.

Sample Identification	Exygen ID	Date Sampled	Sample Matrix	Requested Analysis
Influent 2-1-06	L7377-1	2/1/06	Water	ammonia-nitrogen, phosphorus, nitrate+nitrite
Effluent 2-1-06	L7377-1	2/1/06	Water	ammonia-nitrogen, phosphorus, nitrate+nitrite

3 Sample Analysis

3.1 Analysis

Listed in Table 1 are the parameters, methods and laboratory performing each of the analysis.

Table 1

Parameter	Method	Laboratory
ammonia-nitrogen	EPA 350.1	Severn Trent Laboratories (Pittsburgh)
phosphorus	EPA 365.2	Severn Trent Laboratories (Pittsburgh)
nitrate+nitrite	EPA 353.2	Severn Trent Laboratories (Pittsburgh)

3.2 Holding Times

All holding times were met for the requested analysis.

3.3 Quality Control

Quality control included those parameters prescribed by each method or SOP.

3.4 Sample Related Comments

Any problems encountered during the analysis of these samples are listed in the case narrative.

4 Data Summary

Results for this project are reported in Attachment B.

5 Data/Sample Retention

Samples are disposed of one month after the report is issued unless otherwise specified. All electronic data is archived on retrievable media and hard copy reports are stored in data folders maintained by Exygen Research. Hardcopy data is stored for a minimum of five years.

6 Attachments

6.1 Attachment A: Chain-of-Custody

6.2 Attachment B: Severn Trent Laboratories (Pittsburgh)

Attachment A

Chain-Of Custody

Exygen® RESEARCH
3058 Research Drive
State College, PA 16801
Phone: 814-272-1039
Fax: 814-231-1580

Login

Login Group: L0007377

Login #.	7488	Conform COC Sample.	True
Project:	P0001881	Conform COC:	True
Company Name	Rutgers Organics	Conform Sample.	True
Submitted By	Rainer Domalski	Conform Request.	True
Login Type	Immediate Receipt of Samples		
Started:	True		
Date Start.	02/02/2006		
Due Date.	02/12/2006		
Login Initiated	02/02/2006		
Received By:	Edwards, Eric		
Spread Sample.			
Label:			
Exygen SD/PI	Biss, Jeffrey		
Project Title/Type	Environmental Sample Analysis / ROUTINE		
Login Notes			

Packages / Containers

Package	Carton	Date / Condition	Shipper / ID	Temp. Control/Temp.	Direction / Handled By
PK0008512		Received Date: 2/2/06 10:20 Package & Contents Uncompromised	FEDEX 8560 5501 0686	Wet Ice 2 8	RECEIVED Edwards, Eric

Container #	Gross Weight	pH	Container Type	Preservative	Mfg Lot	Mfg ID
C0146862	813 40 g		500 mL amber glass bottle	H2SO4, Sulfuric Acid		
C0146864	607.60 g		500 ml Clear Plastic Narrow	H2SO4, Sulfuric Acid		
C0146865	611 40 g		500 ml Clear Plastic Narrow	H2SO4, Sulfuric Acid		
C0146866	811.80 g		500 mL amber glass bottle	H2SO4, Sulfuric Acid		
C0146867	621.70 g		500 ml Clear Plastic Narrow	H2SO4, Sulfuric Acid		
C0146868	616.30 g		500 ml Clear Plastic Narrow	H2SO4, Sulfuric Acid		

Samples

Sample ID	Container	Matrix	Fraction	Sample	Date Sampled	Date Due
L0007377-0001		LIQUID	Water	INFLUENT 2-1-06	02/01/2006	02/12/2006
	C0146862					
	C0146864					
	C0146865					
L0007377-0002		LIQUID	Water	OUTFALL 2-1-06	02/01/2006	02/12/2006
	C0146866					
	C0146867					
	C0146868					

Login Reviewed By _____ Date/Time 2/2/2006 1400

Exygen RESEARCH — CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

PROJECT INFORMATION

Client (name & address):
RUTGERS ORGANICS CORP.
1224 BENTEN RD.
SALEM, OHIO 44460
Phone: (330) 332-4834
Fax:
Sampler: DENNY LANE

Project Manager (Name & E-mail Address):
DR. RAINER DOMALSKI
STATE COLLEGE, PA.
Project Name:
SALEM, OHIO SITE
P.O. #:
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	AMMONIA + PHOSPHORUS	NITRATE	NITRITE				
	INFLUENT 2-1-06	2-1-06	1300	X		3	WATER		1	1	1				
	OUTFALL 2-1-06	2-1-06	1300	X		3	WATER		1	1	1				
									3	3	3				

LAB USE ONLY

CHAIN OF CUSTODY

Cooler ID # client Cooler Temp. (°C) 2.8

Relinquished by	Date	Time
D.L.L.	2-1-06	1500

Received by	Date	Time
Erin Shuck	2/2/06	1000

LAB USE ONLY

OTHER INFORMATION

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

Exygen RESEARCH — CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

PROJECT INFORMATION

Client (name & address):
RUTGERS ORGANICS CORP.
1224 BENTON RD.
SALEM, OHIO 44460
Phone: (330) 332-4834
Fax:
Sampler: DENNY LANE

Project Manager (Name & E-mail Address):
DR. RAINER DOMALSKI
STATE COLLEGE, PA.
Project Name:
SALEM, OHIO SITE
P.O. #:
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	AMMONIA + PHOSPHORUS	NITRATE	NITRITE				
	INFLUENT 2-1-06	2-1-06	1300	X		3	WATER		1	1	1				
	OUTFALL 2-1-06	2-1-06	1300	X		3	WATER		1	1	1				
									~~1~~	~~1~~	~~1~~				

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
D.L.L.	2-1-06	1500

Cooler ID # CLIENT Cooler Temp. (°C) 2.8

Received by	Date	Time
[illegible]	2/1/06	1000

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

OTHER INFORMATION

REV 6-04

Attachment B

Data Summary, Severn Trent Laboratories (Pittsburgh)

SEVERN TRENT STL®

STL Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Tel: 412 963 7058 Fax: 412 963 2468
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. EXYGEN RESEARCH

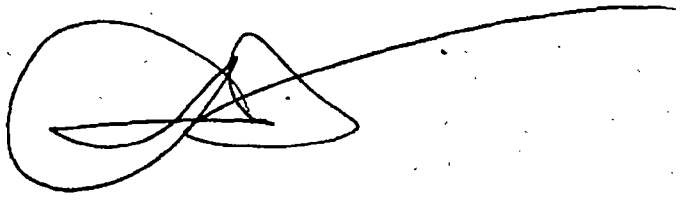
Exygen Research

Lot #: C6B040138

Jeff Biss

Exygen Research

SEVERN TRENT LABORATORIES, INC.



Christina M. Kovitch
Project Manager

February 14, 2006

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

NELAC REPORTING:

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State Program	Certificate #	Program Types	STL Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW HW	X X
California – nelac	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – nelac	(#E87660)	WW HW	X X
Illinois – nelac	(#200005)	WW HW	X X
Kansas – nelac	(#E-10350)	WW HW	X X
Louisiana – nelac	(#93200)	WW HW	X X
New Hampshire – nelac	(#203002)	WW –	X –
New Jersey – nelac	(PA-005)	WW HW	X X
New York – nelac	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
North Dakota	R-075	WW HW	X X
Ohio Vap	(#CL0063)	WW HW	X X
Pennsylvania - nelac	(#02-00416)	WW HW	X X
South Carolina	(#89014001)	WW HW	X X
Utah – nelac	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

CASE NARRATIVE
EXYGEN RESEARCH

LOT # C6B040138

Sample Receiving:
STL Pittsburgh received samples on February 3, 2006. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

General Chemistry
The STL North Canton, OH laboratory performed the phosphorus analysis. All results are included in the report.

METHODS SUMMARY

C6B040138

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Total phosphorus	MCAWW 365.2	MCAWW 365.2

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

C6B040138

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
HWWGC	001	INFLUENT 2-1-06	02/01/06	13:00
HWWGE	002	OUTFALL 2-1-06	02/01/06	13:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Exygen® RESEARCH
Precise Research. Proven Results.

Sample Submittal

Please fax this form before sending samples.
Please send samples to Exygen's shipping and receiving address:
3048 Research Drive, State College, PA 16801
T: 814.272.1039 • F: 814.272.1019

Exygen Contact: Jeff Biss

Send Report To:
Company: Exygen Research
Address: 3048 Research Drive
City, State, ZIP: State College, PA 16801
Attention: Jeff Biss
Phone #: (814) 231-8032
Fax #:
Email:
Study/Job #:
Signature/Date:
Printed Name:

Turnaround time (TAT) requirements:
Results Due Date:
Preliminary Results Format: ☐ Verbal ☐ Email ☐ Fax
Report Due Date:

Storage conditions
☐ Room temperature
☑ Refrigerator
☐ Freezer
☐ Ultra-Low freezer
☐ Desiccated
☐ Lighting required
Stability (°C/%RH):
Stability time period:

Safety information
Special handling:
☐ MSDS attached
☐ Controlled substance:
☐ HAZARDS:
Please fill in the diamond HMIS/NFPA (0-4) if appropriate

	Client ID # / Description	Lot Created	Net Sent Weight	# of Bottles	Matrix	Date & Time	Tests Requested
1	INFLUENT 2-1-06			3	W	2/1/06 1300	Ammonia & Phosphorus NO3 & NO2
2	OUTFALL 2-1-06			3	W	2/1/06 1300	Ammonia & Phosphorus NO3 & NO2
3							
4							
5							
6							
7							
8							
9							
10							

PO#:
A signed quote is required before project initiation

Notes:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2/6/06	1356	[signature]	02-03-06	@ 9:15

KXYGEN RESEARCH

Client Sample ID: INFLUENT 2-1-06

General Chemistry

Lot-Sample #...: C6B040138-001 **Work Order #...:** HWWGC **Matrix.....:** WATER
Date Sampled...: 02/01/06 **Date Received..:** 02/03/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen	**0.81**	**0.10**	**mg/L**	**MCAWW 350.1**	**02/09-02/13/06**	**6040029**
	Dilution Factor: 1			Analysis Time..: 11:58	MS Run #.....: 6040015	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	02/10/06	6041109
	Dilution Factor: 1			Analysis Time..: 14:05	MS Run #.....: 6041053	
Total phosphorus	ND	0.10	mg/L	MCAWW 365.2	02/08/06	6039303
	Dilution Factor: 1			Analysis Time..: 00:00	MS Run #.....: 6039204	

EXYGEN RESEARCH

Client Sample ID: OUTFALL 2-1-06

General Chemistry

Lot-Sample #...: C6B040138-002 **Work Order #...:** HWWGE **Matrix.....:** WATER
Date Sampled...: 02/01/06 **Date Received..:** 02/03/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen	**0.93**	**0.10**	**mg/L**	**MCAWW 350.1**	**02/09-02/13/06**	**6040029**
		Dilution Factor: 1		Analysis Time..: 10:52	MS Run #.....: 6040015	
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	02/10/06	6041109
		Dilution Factor: 1		Analysis Time..: 14:11	MS Run #.....: 6041053	
Total phosphorus	ND	0.10	mg/L	MCAWW 365.2	02/08/06	6039303
		Dilution Factor: 1		Analysis Time..: 00:00	MS Run #.....: 6039204	

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C6B040138 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen		Work Order #: HW4N61AA		MB Lot-Sample #:	C6B090000-029	
	ND	0.10	mg/L	MCAWW 350.1	02/09-02/13/06	6040029
		Dilution Factor: 1				
		Analysis Time..: 10:26				
Nitrate-Nitrite		Work Order #: HW7AF1AA		MB Lot-Sample #:	C6B100000-109	
	ND	0.10	mg/L	MCAWW 353.2	02/10/06	6041109
		Dilution Factor: 1				
		Analysis Time..: 13:50				
Total phosphorus		Work Order #: HW3HJ1AA		MB Lot-Sample #:	A6B080000-303	
	ND	0.10	mg/L	MCAWW 365.2	02/08/06	6039303
		Dilution Factor: 1				
		Analysis Time..: 00:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C6B040138 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen		Work Order #: HW4N61AC	LCS Lot-Sample#: C6B090000-029		
	91	(90 - 110)	MCAWW 350.1	02/09-02/13/06	6040029
		Dilution Factor: 1	Analysis Time..: 10:25		
Nitrate-Nitrite		Work Order #: HW7AF1AC	LCS Lot-Sample#: C6B100000-109		
	102	(90 - 110)	MCAWW 353.2	02/10/06	6041109
		Dilution Factor: 1	Analysis Time..: 13:48		
Total phosphorus		Work Order #: HW3HJ1AC	LCS Lot-Sample#: A6B080000-303		
	78	(53 - 134)	MCAWW 365.2	02/08/06	6039303
		Dilution Factor: 1	Analysis Time..: 00:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: C6B040138 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen			Work Order #: HW4N61AC LCS Lot-Sample#: C6B090000-029				
	2.00	1.82	mg/L	91	MCAWW 350.1	02/09-02/13/06	6040029
			Dilution Factor: 1		Analysis Time..: 10:25		
Nitrate-Nitrite			Work Order #: HW7AF1AC LCS Lot-Sample#: C6B100000-109				
	4.00	4.09	mg/L	102	MCAWW 353.2	02/10/06	6041109
			Dilution Factor: 1		Analysis Time..: 13:48		
Total phosphorus			Work Order #: HW3HJ1AC LCS Lot-Sample#: A6B080000-303				
	3.72	2.91	mg/L	78	MCAWW 365.2	02/08/06	6039303
			Dilution Factor: 1		Analysis Time..: 00:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: C6B040138 **Matrix.....:** WATER
Date Sampled...: 02/06/06 **Date Received..:** 02/07/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen		WO#: HWF4K1EJ-MS/HWF4K1EK-MSD				MS Lot-Sample #: C6A270333-003	
	88 N	(90 - 110)			MCAWW 350.1	02/09-02/13/06	6040029
	109	(90 - 110)	19	(0-20)	MCAWW 350.1	02/09-02/13/06	6040029
		Dilution Factor: 1					
		Analysis Time..: 10:41					
		MS Run #.....: 6040015					
Nitrate-Nitrite		WO#: HW1R71AF-MS/HW1R71AG-MSD				MS Lot-Sample #: C6B070316-001	
	104	(90 - 110)			MCAWW 353.2	02/10/06	6041109
	100	(90 - 110)	2.3	(0-20)	MCAWW 353.2	02/10/06	6041109
		Dilution Factor: 1					
		Analysis Time..: 13:57					
		MS Run #.....: 6041053					
Total phosphorus		WO#: HW06G1AE-MS/HW06G1AF-MSD				MS Lot-Sample #: A6B070223-001	
	174	(10 - 199)			MCAWW 365.2	02/08/06	6039303
	165	(10 - 199)	2.4	(0-46)	MCAWW 365.2	02/08/06	6039303
		Dilution Factor: 1					
		Analysis Time..: 00:00					
		MS Run #.....: 6039204					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

ATTACHMENT 4

WATER SAMPLING RESULTS – FEBRUARY 15, 2006
NEASE CHEMICAL SITE, SALEM, OHIO

Exygen™ RESEARCH
Precise Research.
Proven Results.

Analytical Report

Rütgers Organics Corporation

Exygen Research Project:

L7529

Testing Laboratory

Exygen Research
3058 Research Drive
State College, PA 16801

Requester

Dr. Rainer Domalski
Rutgers Organics Corporation
201 Struble Road
State College, PA 16801

3058 Research Drive
State College, PA 16801, USA
T: 800.281.3219
F. 814.272.1019
exygen.com

1 Introduction

Results are reported for the analysis of samples taken on 2/15/06. The samples were received from Rutgers Organics Corporation. The samples are part of the Rütgers Organics Corporation Salem Ohio Site Project.

2 Sample Receipt

The sample shipment was logged in and given a unique Exygen laboratory identification number. All samples were stored refrigerated at 4°C from time of receipt until analysis. A copy of the custody documents, and sample login reports are presented in Attachment A. Listed below is the sample receipt information for the project received.

The samples were received on 2/16/06 in two sample coolers. The sample coolers were within acceptable temperature ranges. The summa canisters were received in a cardboard shipping box at ambient temperature.

Sample Identification	Exygen ID	Date Sampled	Sample Matrix	Requested Analysis
Influent 2-15-06	L7529-1	2/15/06	Water	MPK, PH, TDS, TSS
LGAC 2-3-2-15-06	L7529-2	2/15/06	Water	MPK, PH, TDS, TSS, VOC
Outfall 2-15-06	L7529-3	2/15/06	Water	NH3, VOC, BOD, PH, TSS, TDS, COD, TOC, O+G, SVOC, PEST, CN-FREE, MPK, METALS
TRIP BLANK	L7529-4	12/27/05	Water	VOC
AGAC-1-2-2-15-06	L7529-5	2/15/06	Air	VAPOR VOC
AGAC-F-2-15-06	L7529-6	2/15/06	Air	VAPOR VOC

3 Sample Analysis

3.1 Analysis

Listed in Table 1 are the parameters, methods and laboratory performing each of the analysis.

Table 1

Parameter	Method	Laboratory
PH	EPA 150.1	Severn Trent Laboratories (Pittsburgh)
total dissolved solids (TDS)	EPA 160.1	Severn Trent Laboratories (North Canton)
total suspended solids (TSS)	EPA 160.2	Severn Trent Laboratories (North Canton)
Volatile Organics (VOC)	EPA 8260B	Severn Trent Laboratories (Pittsburgh)
Ammonia-Nitrogen (NH3)	EPA 350.1	Severn Trent Laboratories (Pittsburgh)
Biochemical Oxygen Demand (BOD)	SM 5210	Todd Giddings and Associates
Chemical Oxygen Demand (COD)	EPA 410.4	Severn Trent Laboratories (North Canton)
Total Organic Carbon (TOC)	EPA 415.1	Severn Trent Laboratories (Pittsburgh)
Oil and Grease (O+G)	EPA 1664A	Severn Trent Laboratories (Pittsburgh)
Semivolatile Organics (SVOC)	EPA 8270C	Exygen Research
Pesticides (PEST)	EPA 8081A	Severn Trent Laboratories (Pittsburgh)
Free Cyanide (CN-FREE)	SM18 4500-CN-I	Severn Trent Laboratories (North Canton)
mirex, photomirex, kepone (MPK)	SOP 6.2	Exygen Research
Metals Analysis (METALS)	EPA 6020/7470	Severn Trent Laboratories (Pittsburgh)
Volatile Organics by TO14	TO14	Severn Trent Laboratories (Knoxville)

3.2 Holding Times

All holding times were met for the requested analysis.

3.3 Quality Control

Quality control included those parameters prescribed by each method or SOP.

3.4 Sample Related Comments

Any problems encountered during the analysis of these samples are listed in the narrative for each data package.

4 Data Summary

Results are reported in six different attachments. The analysis completed by Exygen Research is reported in Attachment B. The analysis completed by Severn Trent Labs (Pittsburgh) is reported in Attachment C. The analysis completed by Severn Trent Labs (North Canton) is reported in Attachment D. The analysis completed by Severn Trent Labs (Knoxville) is reported in Attachment E. The analysis completed by Todd Giddings and Associates is reported in Attachment F.

5 Data/Sample Retention

Samples are disposed of one month after the report is issued unless otherwise specified. All electronic data is archived on retrievable media and hard copy reports are stored in data folders maintained by Exygen Research. Hardcopy data is stored for a minimum of five years.

6 Attachments

6.1 Attachment A: Chain-of-Custody

6.2 Attachment B: Data Summary, Exygen Research

6.3 Attachment C. Data Summary, Severn Trent Laboratories (Pittsburgh)

6.4 Attachment D: Data Summary, Severn Trent Laboratories (North Canton)

6.5 Attachment E: Data Summary, Severn Trent Laboratories (Knoxville)

6.6 Attachment F: Data Summary, Todd Giddings and Associates

7 *Signatures*

3/15/06

Charles Simons, Laboratory Manager — Date

Exygen RESEARCH — CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

PROJECT INFORMATION

Client (name & address):
RUTGERS ORGANICS CORP.
201 STRUBLE ROAD
STATE COLLEGE, PA. 16801
Phone: (330) 332-4834
Fax:
Sampler: DENNY LANE

Project Manager (Name & E-mail Address):
DR. RAINER DOMALSKI

Project Name:
SALEM, OHIO SITE
P.O. #:
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	CYANIDE	MPK	IRON + METALS	VAPOR VOC	VOC-8260		
L7509-1	INFLUENT 2-15-06	2-15-06	1300	X		2	WATER			2					
L7509-2	LGAC 2-3-2-15-06	2-15-06	1300	X		2	WATER			2					
L7509-3	OUTFALL 2-15-06	2-15-06	1300	X		5	WATER		1	2	2				
L7509-4	TRIP BLANK	1/24/06	0847			2	WATER						2		
L7509-5	AGAC 1-2-2-15-06	2-15-06	1300	X		1	AIR					1			
L7509-6	AGAC F-2-15-06	2-15-06	1300	X		1	AIR					1			

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
D.L.L.	2-15-06	1500

Cooler ID # Client (cardboard box) Cooler Temp. (°C) 0.3 20.0

Received by	Date	Time
[signature]	2/16/06	1008

LAB USE ONLY

OTHER INFORMATION

[signature] 2/16/06

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

REV 6-04

Exygen RESEARCH — CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3048 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

PROJECT INFORMATION

Client (name & address):
RUTGERS ORGANICS CORP.
201 STRUBLE ROAD
STATE COLLEGE, PA. 16801
Phone: (330) 332-4834
Fax:
Sampler: DENNY LANE

Project Manager (Name & E-mail Address):
DR. RAINER DOMALSKI

Project Name:
SALEM, OHIO SITE
P.O. #:
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments	NH3	VOC - 8260	BOD	pH, TSS, TDS	O+G, TOC, COD	SVOC	PESTICIDES
L7509-1	INFLUENT 2-15-06	2-15-06	1300	X		2	WATER					2			
L7509-2	LGAC 2-3-2-15-06	2-15-06	1300	X		6	WATER			4		2			
L7509-3	OUTFALL 2-15-06	2-15-06	1300	X		12	WATER		1	4	1	2	2	1	1

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
D.L.L.	2-15-06	1500

Cooler ID # Client (cardboard box)
Cooler Temp. (°C) 0.3 (20.0)

Received by	Date	Time
[signature]	2/16/06	1008

LAB USE ONLY

OTHER INFORMATION

[signature] 2/16/06

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

Exygen®
Precise Research.
Proven Results.

Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT: 155

Contact RAINER DOMALSKI

Date Received: 16-Feb-06
Date Reported: 23-Feb-06

Invoice Number: I36043

Date Collected: 15-Feb-06

Client ID INFLUENT 2-15-06

Lab ID: L7529-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 0.042	0.042	SOP 6.2	22-Feb-06	CS
PHOTOMIREX	ug/L	U 0.006	0.006	SOP 6.2	22-Feb-06	CS
MIREX	ug/L	0.339	0.002	SOP 6.2	22-Feb-06	CS

3058 Research Drive
State College, PA 16801, USA
T: 800.281.3219
F. 814.272.1019
exygen.com

Exygen®
Precise Research
Proven Results.

Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT. 155

Contact: RAINER DOMALSKI

Date Received 16-Feb-06
Date Reported 23-Feb-06

Invoice Number I36043

Date Collected. 15-Feb-06

Client ID: LGAC 2-3-2-15-06

Lab ID. L7529-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 0.042	0.042	SOP 6 2	22-Feb-06	CS
PHOTOMIREX	ug/L	U 0.006	0.006	SOP 6.2	22-Feb-06	CS
MIREX	ug/L	U 0.002	0.002	SOP 6 2	22-Feb-06	CS

3058 Research Drive
State College, PA 16801, USA
T: 800.281.3219
F: 814.272.1019
exygen.com

Exygen®
Precise Research.
Proven Results.

Analytical Report

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT: 155

Date Received: 16-Feb-06
Date Reported. 23-Feb-06

Invoice Number· I36043

Contact. RAINER DOMALSKI

Date Collected. 15-Feb-06

Client ID· OUTFALL 2-15-06

Lab ID: L7529-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 0.042	0 042	SOP 6.2	22-Feb-06	CS
PHOTOMIREX	ug/L	U 0 006	0.006	SOP 6.2	22-Feb-06	CS
MIREX	ug/L	U 0.002	0 002	SOP 6.2	22-Feb-06	CS
SEMI-VOLATILE ANALYSIS						
ANTHRACENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
BENZO(A)ANTHRACENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
BENZO(K)FLUORANTHENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
3,4-BENZOFLUORANTHENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
BENZO(B)FLUORANTHENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
BENZO(G,H,I)PERYLENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
BENZO(A)PYRENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
CHRYSENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
DIBENZ(A,H)ANTHRACENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
FLUORENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
INDENO(1,2,3-CD)PYRENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
NAPHTHALENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
PHENANTHRENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
PYRENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
PHENOL	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
4-METHYLPHENOL	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
1,3-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
1,4-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
1,2-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
DIMETHYL PHTHALATE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
BUTYLBENZYL PHTHALATE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
DI-N-BUTYL PHTHALATE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
2-METHYLNAPHTHALENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
3,4-DICHLORONITROBENZENE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP
DIPHENYL SULFONE	ug/L	< 10	10	EPA 8270C	22-Feb-06	CP

3058 Research Drive
State College, PA 16801, USA
T: 800.281.3219
F. 814.272.1019
exygen.com

EXYGEN RESEARCH

Client Sample ID: L-7529-1

General Chemistry

Lot-Sample #...: C6B170225-001 **Work Order #...:** HXM98 **Matrix.....:** WATER
Date Sampled...: 02/15/06 **Date Received..:** 02/17/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.0	0.10	No Units	SW846 9040	02/17/06	6048409

Dilution Factor: 1 Analysis Time..: 15:41 MS Run #.....: 6048240

KRYGEN RESEARCH

Client Sample ID: L-7529-2

GC/MS Volatiles

Lot-Sample #...: C6B170225-002	**Work Order #...:** HXNAN1AC	**Matrix.....:** WATER
Date Sampled...: 02/15/06	**Date Received..:** 02/17/06	**MS Run #.....:** 6055062
Prep Date.....: 02/24/06	**Analysis Date..:** 02/24/06	
Prep Batch #...: 6055113	**Analysis Time..:** 12:07	
Dilution Factor: 1		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
p-Isopropyltoluene	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
o-Xylene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
n-Butylbenzene	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
2-Chlorotoluene	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Acetone	ND	20	ug/L
Benzene	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	**5.3**	**5.0**	**ug/L**
Dibromochloromethane	ND	5.0	ug/L
1,2-Dibromoethane	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L

(Continued on next page)

KRYGEN RESEARCH

Client Sample ID: L-7529-2

GC/MS Volatiles

Lot-Sample #...: C6B170225-002 Work Order #...: HXNAN1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1-Dichloroethene	ND	5.0	ug/L
cis-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	83	(70 - 125)
Toluene-d8	97	(80 - 120)
4-Bromofluorobenzene	86	(75 - 120)
Dibromofluoromethane	89	(80 - 120)

KRYGEN RESEARCH

Client Sample ID: L-7529-2

General Chemistry

Lot-Sample #...: C6B170225-002 **Work Order #...: HXNAN** **Matrix.....: WATER**
Date Sampled...: 02/15/06 **Date Received..: 02/17/06**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	8.4	0.10	No Units	SW846 9040	02/17/06	6048409

Dilution Factor: 1 Analysis Time..: 15:43 MS Run #.....: 6048240

EXYGEN RESEARCH

Client Sample ID: L-7529-3

GC/MS Volatiles

Lot-Sample #...: C6B170225-003 Work Order #...: HXNCH1AX Matrix.....: WATER
Date Sampled...: 02/15/06 Date Received..: 02/17/06 MS Run #.....: 6055062
Prep Date.....: 02/24/06 Analysis Date..: 02/24/06
Prep Batch #...: 6055113 Analysis Time..: 12:35
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
p-Isopropyltoluene	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
o-Xylene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
n-Butylbenzene	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
2-Chlorotoluene	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Acetone	ND	20	ug/L
Benzene	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	**17**	**5.0**	**ug/L**
Dibromochloromethane	ND	5.0	ug/L
1,2-Dibromoethane	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: L-7529-3

GC/MS Volatiles

Lot-Sample #...: C6B170225-003 Work Order #...: HXNCH1AX Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1-Dichloroethene	ND	5.0	ug/L
cis-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	82	(70 - 125)
Toluene-d8	98	(80 - 120)
4-Bromofluorobenzene	87	(75 - 120)
Dibromofluoromethane	89	(80 - 120)

KRYGEN RESEARCH

Client Sample ID: L-7529-3

GC Semivolatiles

Lot-Sample #...: C6B170225-003	**Work Order #...:** HXNCH1A0	**Matrix.....:** WATER
Date Sampled...: 02/15/06	**Date Received..:** 02/17/06	**MS Run #.....:**
Prep Date.....: 02/21/06	**Analysis Date..:** 02/24/06	
Prep Batch #...: 6052513	**Analysis Time..:** 23:10	
Dilution Factor: 1.01		
	Method.....: SW846 8081A	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methoxychlor	ND	0.10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(39 - 130)
Decachlorobiphenyl	104	(10 - 147)

EXYGEN RESEARCH

Client Sample ID: L-7529-3

TOTAL Metals

Lot-Sample #...: C6B170225-003 Matrix.....: WATER
Date Sampled...: 02/15/06 Date Received..: 02/17/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6052118						
Silver	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AH
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Aluminum	0.046	0.030	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AJ
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Arsenic	0.0044	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AK
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Beryllium	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AL
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Cadmium	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AM
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Chromium	0.0011 B	0.0020	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AN
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Copper	0.00047 B	0.0020	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AP
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Iron	0.13	0.050	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AQ
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Nickel	0.0012	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AR
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Lead	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AT
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Antimony	0.00062 B	0.0020	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AU
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Thallium	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXNCH1AV
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: L-7529-3

TOTAL Metals

Lot-Sample #...: C6B170225-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	**0.00087 B**	**0.0050**	**mg/L**	**SW846 6020**	**02/21-02/25/06**	**HXNCH1AW**
		Dilution Factor: 1		Analysis Time..: 18:15	MS Run #.....: 6052060	
Prep Batch #...: 6055033						
Mercury	ND	0.20	ug/L	SW846 7470A	02/24/06	HXNCH1A7
		Dilution Factor: 1		Analysis Time..: 09:53	MS Run #.....: 6055017	

NOTE(S):

B Estimated result. Result is less than RL.

EXYGEN RESEARCH

Client Sample ID: L-7529-3

General Chemistry

Lot-Sample #...: C6B170225-003 **Work Order #...: HXNCH** **Matrix.....: WATER**
Date Sampled...: 02/15/06 **Date Received..: 02/17/06**

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**8.4**	**0.10**	**No Units**	**SW846 9040**	**02/17/06**	**6048409**
		Dilution Factor: 1		Analysis Time..: 15:44	MS Run #.....: 6048240	
Ammonia Nitrogen	**0.70**	**0.10**	**mg/L**	**MCAWW 350.1**	**02/21-02/22/06**	**6049031**
		Dilution Factor: 1		Analysis Time..: 07:23	MS Run #.....: 6049016	
Chemical Oxygen Demand (COD)	ND	20.0	mg/L	MCAWW 410.4	02/21/06	6052195
		Dilution Factor: 1		Analysis Time..: 00:00	MS Run #.....: 6052129	
Cyanide (Free)	ND	0.010	mg/L	SM18 4500-CN-I	02/21/06	6052288
		Dilution Factor: 1		Analysis Time..: 00:00	MS Run #.....: 6052201	
Oil & Grease (HEM)	ND	9.6	mg/L	CFR136A 1664A HEM	02/23-02/24/06	6054436
		Dilution Factor: 1.92		Analysis Time..: 00:00	MS Run #.....:	
Total Organic Carbon (TOC)	ND	1.0	mg/L	SW846 9060	03/02/06	6061265
		Dilution Factor: 1		Analysis Time..: 08:02	MS Run #.....: 6061198	

EXYGEN RESEARCH

Client Sample ID: L-7529-4

GC/MS Volatiles

Lot-Sample #...: C6B170225-004 **Work Order #...:** HXNE81AA **Matrix.....:** WATER
Date Sampled...: 01/24/06 **Date Received..:** 02/17/06 **MS Run #.....:** 6055062
Prep Date.....: 02/24/06 **Analysis Date..:** 02/24/06
Prep Batch #...: 6055113 **Analysis Time..:** 13:04
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
p-Isopropyltoluene	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
o-Xylene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
n-Butylbenzene	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
2-Chlorotoluene	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Acetone	ND	20	ug/L
Benzene	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
2-Butanone	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	**10**	**5.0**	**ug/L**
Dibromochloromethane	ND	5.0	ug/L
1,2-Dibromoethane	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: L-7529-4

GC/MS Volatiles

Lot-Sample #...: C6B170225-004 **Work Order #...:** HXNE81AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,1-Dichloroethene	ND	5.0	ug/L
cis-1,2-Dichloroethene	ND	5.0	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	85	(70 - 125)
Toluene-d8	97	(80 - 120)
4-Bromofluorobenzene	87	(75 - 120)
Dibromofluoromethane	90	(80 - 120)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C6B170225 **Work Order #...:** HX3TG1AA **Matrix.....:** WATER
MB Lot-Sample #: C6B240000-113

Prep Date.....: 02/24/06 **Analysis Time..:** 09:18
Analysis Date..: 02/24/06 **Prep Batch #...:** 6055113
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromobenzene	ND	5.0	ug/L	SW846 8260B
Bromochloromethane	ND	5.0	ug/L	SW846 8260B
n-Butylbenzene	ND	5.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/L	SW846 8260B
Dibromomethane	ND	5.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	5.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/L	SW846 8260B
n-Propylbenzene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/L	SW846 8260B
o-Xylene	ND	5.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	10	ug/L	SW846 8260B
Acetone	ND	20	ug/L	SW846 8260B
Benzene	ND	5.0	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	5.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C6B170225 Work Order #...: HX3TG1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Isopropylbenzene	ND	5.0	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	5.0	ug/L	SW846 8260B
Toluene	ND	5.0	ug/L	SW846 8260B
Vinyl chloride	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	84	(70 - 125)
Toluene-d8	97	(80 - 120)
4-Bromofluorobenzene	87	(75 - 120)
Dibromofluoromethane	89	(80 - 120)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C6B170225 Work Order #...: HXVHR1AA Matrix.....: WATER
MB Lot-Sample #: C6B210000-513

Prep Date.....: 02/21/06 Analysis Time..: 23:40
Analysis Date..: 02/24/06 Prep Batch #...: 6052513
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methoxychlor	ND	0.10	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(39 - 130)
Decachlorobiphenyl	105	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C6B170225 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C6B210000-118 **Prep Batch #...:** 6052118						
Aluminum	ND	0.030	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AC
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Antimony	ND	0.0020	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AM
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Arsenic	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AD
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Beryllium	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AE
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Cadmium	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AF
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Chromium	ND	0.0020	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AG
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Copper	ND	0.0020	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AH
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Iron	ND	0.050	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AJ
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Lead	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AL
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Nickel	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AK
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Silver	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AA
		Dilution Factor: 1				
		Analysis Time..: 18:03				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C6B170225 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	ND	0.0010	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AN
		Dilution Factor: 1				
		Analysis Time..: 18:03				
Zinc	ND	0.0050	mg/L	SW846 6020	02/21-02/25/06	HXRVR1AP
		Dilution Factor: 1				
		Analysis Time..: 18:03				

MB Lot-Sample #: C6B240000-033 **Prep Batch #...:** 6055033

Mercury	ND	0.20	ug/L	SW846 7470A	02/24/06	HX3L21AA
		Dilution Factor: 1				
		Analysis Time..: 09:24				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: C6B170225 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia Nitrogen		Work Order #: HXV471AA		MB Lot-Sample #: C6B180000-031		
	ND	0.10	mg/L	MCAWW 350.1	02/21-02/22/06	6049031
		Dilution Factor: 1				
		Analysis Time..: 06:45				
Chemical Oxygen Demand (COD)		Work Order #: HXR9G1AA		MB Lot-Sample #: A6B210000-195		
	ND	20.0	mg/L	MCAWW 410.4	02/21/06	6052195
		Dilution Factor: 1				
		Analysis Time..: 00:00				
Cyanide (Free)		Work Order #: HXTNK1AA		MB Lot-Sample #: A6B210000-288		
	ND	0.010	mg/L	SM18 4500-CN-I	02/21/06	6052288
		Dilution Factor: 1				
		Analysis Time..: 00:00				
Oil & Grease (HEM)		Work Order #: HX2F41AA		MB Lot-Sample #: C6B230000-436		
	ND	5.0	mg/L	CFR136A 1664A HEM	02/23-02/24/06	6054436
		Dilution Factor: 1				
		Analysis Time..: 00:00				
Total Organic Carbon (TOC)		Work Order #: H0GV41AA		MB Lot-Sample #: C6C020000-265		
	ND	1.0	mg/L	SW846 9060	03/02/06	6061265
		Dilution Factor: 1				
		Analysis Time..: 06:58				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

EXYGEN RESEARCH

Client Sample ID: C0151101 L7529-1

General Chemistry

Lot-Sample #...: A6B170229-001 Work Order #...: HXNA3 Matrix.....: WG
Date Sampled...: 02/15/06 13:00 Date Received..: 02/17/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	470	10	mg/L	MCAWW 160.1	02/21-02/22/06	6052269
	Dilution Factor: 1					
Total Suspended Solids	22	4.0	mg/L	MCAWW 160.2	02/20/06	6051262
	Dilution Factor: 1					

EXYGEN RESEARCH

Client Sample ID: C0151111 L7529-2

General Chemistry

Lot-Sample #...: A6B170229-002 Work Order #...: HXNCJ Matrix.....: WG
Date Sampled...: 02/15/06 13:00 Date Received..: 02/17/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	440	10	mg/L	MCAWW 160.1	02/21-02/22/06	6052269
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	02/20/06	6051262
	Dilution Factor: 1					

EXYGEN RESEARCH

Client Sample ID: C0151126 L7529-3

General Chemistry

Lot-Sample #...: A6B170229-003 Work Order #...: HXNCM Matrix.....: WG
Date Sampled...: 02/15/06 13:00 Date Received..: 02/17/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	440	10	mg/L	MCAWW 160.1	02/21-02/22/06	6052269
	Dilution Factor: 1					
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	02/20/06	6051262
	Dilution Factor: 1					

EXYGEN RESEARCH

Client Sample ID: L-7529-5

GC/MS Volatiles

Lot-Sample #...: H6B180108-001 **Work Order #...:** HXPWP1AA **Matrix.....:** AIR
Date Sampled...: 02/15/06 **Date Received..:** 02/18/06
Prep Date.....: 02/17/06 **Analysis Date..:** 02/18/06
Prep Batch #...: 6049044
Dilution Factor: 5 **Method.....:** EPA-19 TO-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromodichloromethane	ND	1.0	ppb(v/v)
Bromoform	ND	1.0	ppb(v/v)
Dibromochloromethane	ND	1.0	ppb(v/v)
Dibromomethane	ND	2.0	ppb(v/v)
trans-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Cumene	ND	2.0	ppb(v/v)
n-Propylbenzene	ND	2.0	ppb(v/v)
1,2,3-Trichloropropane	ND	2.5	ppb(v/v)
Dichlorodifluoromethane	ND	2.0	ppb(v/v)
Vinyl chloride	**2.1**	**2.0**	**ppb(v/v)**
Chloroethane	ND	2.0	ppb(v/v)
Trichlorofluoromethane	ND	2.0	ppb(v/v)
1,1-Dichloroethene	ND	1.0	ppb(v/v)
1,1-Dichloroethane	ND	1.0	ppb(v/v)
cis-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Chloroform	ND	1.0	ppb(v/v)
1,1,1-Trichloroethane	ND	1.0	ppb(v/v)
Carbon tetrachloride	ND	1.0	ppb(v/v)
Benzene	ND	1.0	ppb(v/v)
1,2-Dichloroethane	ND	1.0	ppb(v/v)
Trichloroethene	ND	1.0	ppb(v/v)
1,2-Dichloropropane	ND	1.0	ppb(v/v)
cis-1,3-Dichloropropene	ND	1.0	ppb(v/v)
Toluene	ND	1.0	ppb(v/v)
trans-1,3-Dichloropropene	ND	1.0	ppb(v/v)
1,1,2-Trichloroethane	ND	1.0	ppb(v/v)
Tetrachloroethene	ND	1.0	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	1.0	ppb(v/v)
Chlorobenzene	ND	1.0	ppb(v/v)
Ethylbenzene	ND	1.0	ppb(v/v)
m-Xylene & p-Xylene	ND	1.0	ppb(v/v)
o-Xylene	ND	1.0	ppb(v/v)
Styrene	ND	1.0	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	1.0	ppb(v/v)
1,3,5-Trimethylbenzene	ND	1.0	ppb(v/v)
1,3-Dichlorobenzene	ND	1.0	ppb(v/v)
1,4-Dichlorobenzene	ND	1.0	ppb(v/v)
1,2-Dichlorobenzene	ND	1.0	ppb(v/v)

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: L-7529-5

GC/MS Volatiles

Lot-Sample #...: H6B180108-001 **Work Order #...:** HXPWP1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	112	(70 - 130)
Toluene-d8	107	(70 - 130)
4-Bromofluorobenzene	100	(70 - 130)

EXYGEN RESEARCH

L-7529-5

GC/MS Volatiles

Lot-Sample #: H6B180108-001 Work Order #: HXPWP1AA Matrix: AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		18 NJ	M	4.077	ppb(v/v)
Methyl Alcohol	67-56-1	210 NJ	M	4.5288	ppb(v/v)

NOTE(S):

M. Result was measured against nearest internal standard assuming a response factor of 1.

EXYGEN RESEARCH

Client Sample ID: L-7529-6

GC/MS Volatiles

Lot-Sample #...: H6B180108-002 Work Order #...: HXPWQ1AA Matrix.....: AIR
Date Sampled...: 02/15/06 Date Received..: 02/18/06
Prep Date.....: 02/17/06 Analysis Date..: 02/18/06
Prep Batch #...: 6049044
Dilution Factor: 5 Method.....: EPA-19 TO-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromodichloromethane	ND	1.0	ppb(v/v)
Bromoform	ND	1.0	ppb(v/v)
Dibromochloromethane	ND	1.0	ppb(v/v)
Dibromomethane	ND	2.0	ppb(v/v)
trans-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Cumene	ND	2.0	ppb(v/v)
n-Propylbenzene	ND	2.0	ppb(v/v)
1,2,3-Trichloropropane	ND	2.5	ppb(v/v)
Dichlorodifluoromethane	ND	2.0	ppb(v/v)
Vinyl chloride	ND	2.0	ppb(v/v)
Chloroethane	ND	2.0	ppb(v/v)
Trichlorofluoromethane	ND	2.0	ppb(v/v)
1,1-Dichloroethene	ND	1.0	ppb(v/v)
1,1-Dichloroethane	ND	1.0	ppb(v/v)
cis-1,2-Dichloroethene	ND	1.0	ppb(v/v)
Chloroform	ND	1.0	ppb(v/v)
1,1,1-Trichloroethane	ND	1.0	ppb(v/v)
Carbon tetrachloride	ND	1.0	ppb(v/v)
Benzene	ND	1.0	ppb(v/v)
1,2-Dichloroethane	ND	1.0	ppb(v/v)
Trichloroethene	ND	1.0	ppb(v/v)
1,2-Dichloropropane	ND	1.0	ppb(v/v)
cis-1,3-Dichloropropene	ND	1.0	ppb(v/v)
Toluene	ND	1.0	ppb(v/v)
trans-1,3-Dichloropropene	ND	1.0	ppb(v/v)
1,1,2-Trichloroethane	ND	1.0	ppb(v/v)
Tetrachloroethene	ND	1.0	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	1.0	ppb(v/v)
Chlorobenzene	ND	1.0	ppb(v/v)
Ethylbenzene	ND	1.0	ppb(v/v)
m-Xylene & p-Xylene	ND	1.0	ppb(v/v)
o-Xylene	ND	1.0	ppb(v/v)
Styrene	ND	1.0	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	1.0	ppb(v/v)
1,3,5-Trimethylbenzene	ND	1.0	ppb(v/v)
1,3-Dichlorobenzene	ND	1.0	ppb(v/v)
1,4-Dichlorobenzene	ND	1.0	ppb(v/v)
1,2-Dichlorobenzene	**1.2**	**1.0**	**ppb(v/v)**

(Continued on next page)

EXYGEN RESEARCH

Client Sample ID: L-7529-6

GC/MS Volatiles

Lot-Sample #...: H6B180108-002 **Work Order #...:** HXPWQ1AA **Matrix.....:** AIR

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	113	(70 - 130)
Toluene-d8	103	(70 - 130)
4-Bromofluorobenzene	100	(70 - 130)

EXYGEN RESEARCH

L-7529-6

GC/MS Volatiles

Lot-Sample #: H6B180108-002 **Work Order #:** HXPWQ1AA **Matrix:** AIR

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Unknown		20 NJ	M	4.0825	ppb(v/v)
Methyl Alcohol	67-56-1	200 NJ	M	4.529	ppb(v/v)

NOTE(S):

M Result was measured against nearest internal standard assuming a response factor of 1.

TODD GIDDINGS and ASSOCIATES, INC.
HYDROGEOLOGISTS and ENGINEERS
3049 Enterprise Drive — State College, PA 16801 — Phone (814) 238-5927

February 21, 2006

Mr. Jeff Biss
Exygen Research
3117 Research Dr.
State College, PA 16801

ANALYTICAL LABORATORY REPORT

Sample Identification: L7529-0003

Date Collected: 02/15/06 Time Collected: 1300

Lab ID Number: 59641 Collected By: --

Analyte:	Result:	Analyzed by: Date/Time:
BOD (mg/l) SM 5210	< 2	DB 02/16/06 @ 1420

Submitted By:

Diane Bopp
Laboratory Manager

ATTACHMENT 5

TWO ACUTE TOXICITY EVALUATIONS FOR TREATMENT PLANT EFFLUENT
FEBRUARY 14 THROUGH 18, 2006
NEASE CHEMICAL SITE, SALEM, OHIO

RESULTS OF TWO ACUTE TOXICITY EVALUATIONS OF RUTGERS ORGANICS CORPORATION, SALEM SITE LAGOON WATER TREATMENT PLANT FINAL EFFLUENT

AAT JOB # 51 - 01 – 76

14 February – 18 February 2006

Report Prepared for:

Rutgers Organics Corporation
201 Struble Road
State College, Pennsylvania 16801

Report Prepared by:

AMERICAN AQUATIC TESTING, INC.
890 NORTH GRAHAM STREET
ALLENTOWN, PENNSYLVANIA 18109

INTRODUCTION

A set of two static acute toxicity tests were conducted with larval fathead minnows, *Pimephales promelas* (*P. promelas*) and the freshwater cladoceran, *Ceriodaphnia dubia* (*C. dubia*) to determine the relative toxicity of final effluent from the Rutgers Organics Corporation Lagoon Water Treatment Plant, Salem, Ohio. The 96-hour static fathead acute toxicity test and the 48-hour static *C. dubia* acute toxicity tests were conducted from 14 February through 18 February 2006. The toxicity evaluations were conducted by American Aquatic Testing, Inc., Allentown, Pennsylvania.

All tests were performed according to procedures outlined in Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms, 4th Edition (EPA/600/4-90/027F) and Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency, October 1991.

MATERIALS

TEST ORGANSIMS Fathead Minnow, *Pimephales promelas*

Larval fathead minnows used in acute testing were obtained from in-house cultures maintained by ABS,Inc.. Test age organisms are maintained in shallow depth basins containing 10L of moderately hard reconstituted water and are fed newly hatched *Artemia* (brine shrimp) nauplii twice a day up until test initiation. The test organisms were 8 days old at test initiation. No acclimation of these test organisms was required as they were raised in moderately hard reconstituted water, which was used for testing.

Freshwater Cladoceran, *Ceriodaphnia dubia*

Cladoceran neonates, *C. dubia* were obtained from AAT, Inc.'s in-house cultures. Cultures for generating test age (<24 hours old) neonates are maintained as single cultures in 30 mL soufflé cups containing 15 mL of moderately hard reconstituted water. These adults are transferred daily into fresh culture water and are fed a combination of a unicellular green alga (*Selenastrum capricornutum*) and a yeast/Cerophyll/trout chow (YCT) suspension. Broods released during a five hour period were pooled and used to initiate the acute toxicity test. No acclimation of these test organisms was required as they were raised in moderately hard reconstituted water, which was used for testing. Neonates were released between 0800 and 1300 of February 14, 2006.

DILUTION WATER

Moderately hard reconstituted water was prepared in accordance to procedures outlined in EPA/600/4-90/027F and was used as dilution/control water for the toxicity tests. Deionized water (Specialty Filtration Products) and reagent grade chemicals were used to achieve the following concentrations: 96 mg/L of $NaHCO_3$, 60.0 mg/L of $MgSO_4$ and 4.0 mg/L of KCl and 60.0mg/L of $CaSO_4$ $2H_2O$.

TEST MATERIAL

The material tested was final effluent collected by Howells and Baird personnel with a grab sampler placed at the outfall. One grab sample was collected for each of the two acute toxicity tests. The sample, collected February 13, 2006, was shipped overnight to AAT, Inc. in a cooler containing ice and was used to initiate testing on February 14, 2006. A Chain-of-Custody accompanied the sample. Tests were initiated prior to the expiration of the 36-hour holding time.

METHODS

P. promelas larvae (8 day old) were exposed to the effluent sample for 96 hours under static, non-renewal conditions. Test organisms were exposed in groups of 10 in 1 L glass beakers containing 500 mL of test solution with two replicates per concentration (20 organisms per concentration). The test organisms were fed prior to test initiation and at 48 hours.

C. dubia neonates (<24 hours old) were exposed to the effluent sample for 48 hours under static non-renewal conditions. Test organisms were exposed in groups of five in 30 mL soufflé cups containing 15 mL of test solution with four replicates per concentration (20 organisms per concentration). The test organisms were not fed during the test exposure.

Both sets of test chambers were placed in randomized positions in a temperature controlled environment maintained at 25 $\pm$ 1 ° C. The highest concentration used for exposure was 100 %. A 0.56 dilution schedule was used to prepare sample concentrations of 56%, 32%, 18% and 10%, by volume. A control sample consisting of 100 % dilution water was also tested.

Surviving test organisms were counted daily. Dead test organisms and debris were removed daily at this time. Temperature was measured daily in a surrogate replicate placed alongside the test chambers. Dissolved oxygen, pH and conductivity were measured in one replicate chamber at each concentration at the beginning and end of the test exposure. Alkalinity and hardness were measured in the control and the 100% concentration at the beginning of the test exposure. The lighting regime was 16 hours light, 08 hours dark.

RESULTS

FATHEAD MINNOW 96-HOUR ACUTE TEST RESULTS

As a result of less than 50 % mortality in any test concentration during the exposure period the acute data was evaluated visually. Therefore, the 96-hour LC_{50} is > 100%. This result yields an Acute Toxic Unit; TUa ($100\%/LC_{50}$) of 1.0.

CERIODAPHNIA DUBIA 48-HOUR ACUTE TEST RESULTS

As a result of less than 50 % mortality in any test concentration during the exposure period the acute data was evaluated visually. Therefore, the 48-hour LC_{50} is > 100%. This result yields an Acute Toxic Unit; TUa ($100\%/LC_{50}$) of 1.0.

Table I. Fathead Minnow Mortality Data

CLIENT: Rutgers Organics Corp., Salem Lagoon Water Treatment Plant
TEST: 96-hour Definitive Acute Toxicity Test
DATE: 14 February – 18 February 2006

Sample Type	% Effluent	# of Organisms	Cumulative number of organisms affected at 24 hr	48 hr	72 hr	96 hr	% Mortality*
Final Effluent	0	20	0	0	0	0	0
	10	20	0	0	0	0	0
	18	20	0	0	0	0	0
	32	20	0	0	0	0	0
	56	20	0	0	0	0	0
	100	20	0	0	0	0	0

* Cumulative Percent Mortality at 96 hours

Table II. Fathead Minnow Physical/Chemical Measurements

CLIENT: Rutgers Organics Corp., Salem Lagoon Water Treatment Plant
TEST: 96-hour Definitive Acute Toxicity Test
DATE: 14 February – 18 February 2006

	% Effluent by Volume					
Time	0	10	18	32	56	100
0 hour						
Conduct. µmhos	299	340	374	428	546	731
D.O. ppm	7.8	7.7	7.5	7.3	6.8	6.6
Temp. °C A	25.0	25.0	25.5	26.0	26.0	26.0
B	25.0	25.0	25.5	26.0	26.0	26.0
pH Std .units	8.1	8.0	8.1	8.2	8.3	8.3
Alkalinity mg/L	60					210
Hardness mg/L	100					280
24 hours A	25.0	25.0	25.0	25.0	25.0	25.0
Temp. °C B	25.0	25.0	25.0	25.0	25.0	25.0
48 hours A	25.0	25.0	25.0	25.0	25.0	25.0
Temp. °C B	25.0	25.0	25.0	25.0	25.0	25.0
72 hours A	25.0	25.0	25.0	25.0	25.0	25.0
Temp. °C B	25.0	25.0	25.0	25.0	25.0	25.0
96 hours						
Conduct. µmhos	335	380	419	481	619	812
D.O. ppm	7.2	7.3	7.4	7.4	7.3	7.2
pH Std .units	8.0	8.0	8.1	8.2	8.3	8.4
Temp. °C A	24.5	24.0	24.0	24.0	24.0	24.0
B	24.0	24.0	24.0	24.0	24.0	24.0

Table I. *Ceriodaphnia dubia* Mortality Data

CLIENT: Rutgers Organics Corp., Salem Lagoon Water Treatment Plant
TEST: 48 hour Definitive Acute Toxicity Test
DATE: 14 February – February 16 2006

Sample Type	% Effluent	# of Organisms	Cumulative number of organism affected at 24 hours	48 hours	% Mortality*
Final Effluent	0	20	0	0	0
	10	20	0	0	0
	18	20	0	0	0
	32	20	0	0	0
	56	20	0	0	0
	100	20	0	0	0

* Cumulative Percent Mortality at 48 hours

Table II. *Ceriodaphnia dubia* Physical/Chemical Measurements

CLIENT: Rutgers Organics Corp., Salem Lagoon Water Treatment Plant
TEST: 48 hour Definitive Acute Toxicity Test
DATE: 14 February – February 16 2006

	% Effluent by Volume					
Time	0	10	18	32	56	100
0 hour						
Conduct. µmhos	299	340	374	428	546	731
D.O. ppm	7.8	7.7	7.5	7.3	6.8	5.6
Temp. °C	25.0	25.0	25.0	26.0	26.0	26.0
pH Std .units	8.1	8.0	8.1	8.2	8.3	8.3
Alkalinity mg/L	60					210
Hardness mg/L	100					280
24 hours						
Temp. °C	25.0	25.0	25.0	25.0	25.0	25.0
48 hours						
Conduct. µmhos	405	450	479	568	687	857
D.O. ppm	8.3	8.2	8.2	8.2	8.2	8.1
pH Std .units	8.1	8.1	8.1	8.1	8.4	8.4
Temp. °C	25.0	25.0	25.0	25.0	25.0	25.0

APPENDIX I

RAW DATA

14 February – 16 February 2006

RESULTS OF TWO ACUTE TOXICITY EVALUATIONS OF
RUTGERS ORGANICS CORPORATION,
SALEM SITE LAGOON WATER TREATMENT PLANT
FINAL EFFLUENT

Freshwater Acute Test

American Aquatic Testing, Inc.

Job #: 51-01-76

Species: P promelas

Dilution Water: EPA Mod Hard

Start Date/Time: 2/14/06 1455

End Date/Time: 2/18/06 1440

Test Type: 96hr sNR

Concentration	Rep.	Live Count					Temperature (C)				
		0 hr.	24 hr.	48 hr.	72 hr.	96 hr.	0 hr.	24 hr.	48 hr.	72 hr.	96 hr.
Control	A	10	10	10	10	10	25.0	25.0	25.0	25.0	24.5
	B	10	10	10	10	10	25.0	25.0	25.0	25.0	24.0
10%	A	10	10	10	10	10	25.0	25.0	25.0	25.0	24.0
	B	10	10	10	10	10	25.0	25.0	25.0	25.0	24.0
18%	A	10	10	10	10	10	25.5	25.0	25.0	25.0	24.0
	B	10	10	10	10	10	25.5	25.0	25.0	25.0	24.0
32%	A	10	10	10	10	10	26.0	25.0	25.0	25.0	24.0
	B	10	10	10	10	10	26.0	25.0	25.0	25.0	24.0
56%	A	10	10	10	10	10	26.0	25.0	25.0	25.0	~~24.0~~
	B	10	10	10	10	10	26.0	25.0	25.0	25.0	~~24.0~~
100%	A	10	10	10	10	10	26.0	25.0	25.0	25.0	~~24.0~~
	B	10	10	10	10	10	26.0	25.0	25.0	25.0	~~24.0~~
Initials		VDL	SD	TDO	TDO	VDL	VDL	SD	TDO	TDO	DC
Date		2/14	2/15	2/16	2/17	2/18	2/14	2/15	2/16	2/17	2/18

Concentration	pH		D.O. (mg/L)		Cond. (umhos)	
	0 hr.	96 hr.	0 hr.	96 hr.	0 hr.	96 hr.
Control	8.1	8.0	7.8	7.2	299	335
10%	8.0	8.0	7.7	7.3	340	380
18%	8.1	8.1	7.5	7.4	374	419
32%	8.2	8.2	7.3	7.4	428	481
56%	8.3	8.3	6.8	7.3	546	619
100%	8.3	8.4	~~5.6~~ ①	7.2	731	812
Initials	VDL	VDL	VDL	DC	VDL	DC
Date	2/14	2/18	2/14	2/18	2/14	2/18

Concentration	Alkalinity (mg/L)	Hardness (mg/L)
Control	60	100
100%	210	280
Initials	VDL	VDL
Date	2/14	2/14

Observations: ① 6.6 VDL 2/14

Freshwater Acute Test

American Aquatic Testing, Inc.

Job #: 51-01-76 Start Date/Time: 2-14-06 1430

Species: C. dubia End Date/Time: 2-16-06 1430

Dilution Water: EPA Mod. Hard Test Type: 48hr. SNR

Conc. %	Temperature (C) 0 hr.	24 hr.	48 hr.
Control	25.0	25.0	25.0
10	25.0	25.0	25.0
18	25.0	25.0	25.0
32	26.0	25.0	25.0
56	26.0	25.0	25.0
100	26.0	25.0	25.0
Conc. %	**pH (Stand units) 0 hr.**		**48 hr.**
Control	8.1		8.1
10	8.0		8.1
18	8.1		8.1
32	8.2		8.1
56	8.3		8.4
100	8.3		8.4
Conc.	**Dissolved Oxygen (mg/L)**		
Control	7.8		8.3
10	7.7		8.2
18	7.5		8.2
32	7.3		8.2
56	6.8		8.2
100	5.6		8.1
Conc.	**Conductivity (umhos)**		
Control	299		405
10	340		450
18	374		479
32	428		568
56	546		687
100	731		857
Initials	KDL	MPP	TAP
Date	2/14	2/15	2/16

Conc.	Alkalinity	Hardness
Control	60	100
100%	210	280
Initials	KDL	KDL
Date	2/14	2/14

Conc. %	Rep.	Live Count 0 hr.	24 hr.	48 hr.
Control	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
10	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
18	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
32	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
56	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
100	A	5	5	5
	B	5	5	5
	C	5	5	5
	D	5	5	5
Initials		MPP	MPP	TAP
Date		2/14	2/15	2/16

Observations:

AMERICAN AQUATIC TESTING, INC.

CHAIN OF CUSTODY

890 North Graham St.
ALLENTOWN, PA 18109
610 434 9015

Job #: 51-01-76

Client: Howells + Baird - Rutgers Org. Client Contact: Denny Lane

Address: Salem, OH

Phone #: 330-332-4834

Sample Disposal: **Return to client** [ ] **Lab disposal** [X]

	Initial Chemistry Upon Arrival @ Laboratory						SAMPLE INFORMATION					Toxicity Testing Requested			
Sample #	Temp °C	Dis. O_2	pH	Alk. mg/L	Hard. mg/L	Cl- mg/L	Sample Identification	Sample Type C = Comp G=Grab	Sample Volume	Sample Date	Sample Time	Acute	Chronic	Sediment	Othe
01	6.0						OUTFALL 2-13-06	G	2.5gal	2-13-06	1300	X	X		

Samples were:

1. Collected by AAT personnel [ ]
   Client personnel [X]
2. Transported on ice? Yes [X] No [ ]
3. Received with in holding time? Yes [X] No [ ]
4. Sample matrix is: Liquid [X] Sediment [ ] Soil [ ] Other [ ]

CUSTODY INFORMATION

Sample #	Relinquished by:	Received by:	Date	Time	Relinquished by:	Received for Lab:	Date	Time	Lab Use ISTN#
01	D.L.L	Fedex	2-13-06	1500	Fedex	T. Pallas	2-14-06	920	06097

Special Instructions: Dilution water collection date(s)

Will ammonia be analyzed on these samples? Yes (No)

Will additional parameters be analyzed on these samples? Yes (No)

APPENDIX II

OHIO EPA NPDES BIOMONITORING REPORT FORM

OHIO EPA NPDES BIOMONITORING REPORT FORM

GENERAL INFORMATION

1. Facility Name: Rutgers Organics Corporation
   Reporting Date: 03 March 2006

2. Address: 1224 Benton Road
   Salem, Ohio 44460
   Substantive
3. Ohio EPA Permit Number: Discharge Criteria 4.Application (NPDES) No.
5. Facility Contact: Ralph Pearce 6. Phone No.: (800) 458-3434
7. Consultant/Testing Lab Name: American Aquatic testing, Inc.

8. Consultant/Lab Contact: Chris Nally 9.Phone No.: (610) 434-9015
10. Receiving Water(s) of Discharge: Unnamed Tributary of the Middle Fork of Middle Creek.
11. Outfall(s) Tested: 001

    Average Daily Flows:
    on Day Sampled (gal/day)

12. Is your current Standard Operating Procedure (SOP) Manual on file with Ohio EPA? (Yes/No) No If yes, date submitted: _____. If no, an SOP that follows Ohio EPA and/or U.S. EPA protocols must be submitted as soon as possible in order to eliminate the need to include this information with every report.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature

Christopher J. Nally, President

03/03/06
Date

OEPA Permit No.: _____

ACUTE TOXICITY TEST SAMPLING DATA

TABLE

Sampling Summary for Acute Toxicity Tests

Sampling Location & Description	Sample Collection Beginning MM/DD/Time	Ending MM/DD/Time	Weather/Receiving Stream Conditions
Final Effluent:	02/13/06 1300	N/A	
Outfall No.: 001			
Type (Grab/Composite): Grab			
Volume Collected: 1.0-gallon			
Upstream Station:	N/A		
Waterbody:			
Station No.:			
Type (Grab/Composite):			
Volume Collected:			
Downstream Station (Near-field):	N/A		
Waterbody:			
Station No.:			
Type (Grab/Composite):			
Volume Collected:			
Additional Stations (If needed):	N/A		
Waterbody:			
Station No.:			
Type (Grab/Composite):			
Volume Collected:			
Waterbody:			
Station No.:			
Type (Grab/Composite):			
Volume Collected:			

TOXICITY TEST CONDITIONS

TABLE

Summary of Toxicity Test Conditions	
1. Test Species and Age:	*Pimephales promelas* - 8 days old
2. Test Type and Duration:	96-hour Static Acute
3. Test Dates:	14 February - 18 February 2006
4. Test Temperature (°C):	25.0°C ± 1.0°C
5. Light Quality:	50-100 ft. candles
6. Photoperiod:	16 hours light / 8 hours dark
7. Feeding Regime:	None
8. Size of Test Vessel:	1000 mL
9. Volume and Depth of Test Solutions:	500 mL / 92 mm
10. No. of Test Organisms per Test Vessel:	Ten
11. No. of Test Vessels per Test Solution:	Two
12. Total No. of Test Organisms per Test Solution:	20
13. Test Concentrations (as percent by volume effluent):	0, 10, 18, 32, 56, and 100%
14. Renewal of Test Solutions:	None
15. Dilution and Primary Control Water:	Moderately Hard Reconstituted Water
16. Secondary Control Water:	N/A
17. Aeration? Before/During Test:	None
18. Endpoints Measured:	LC_{50} and TU_a
19. If secondary control water used as diluent due to toxicity in primary control water, indicate number of consecutive tests conducted with alternative diluent:	N/A

OEPA Permit No.: _____ Page 4 of 6

ACUTE TOXICITY TEST RESULTS

TABLE

Results of a *Pimephales* (genus) *promelas* (species) 96-Hour Static Acute Toxicity Test Conducted 02/14/06 (mm/dd/yy) - 02/18/06 (mm/dd/yy) Using Effluent from Outfall 001 (number).

Test Solutions	Cumulative Percent Mortality (Cumulative Percent Affected)[a]				LC_{50} Values (EC_{50} Values)			
	24-Hr	48-Hr	72-Hr	96-Hr	24-Hr	48-Hr	72-Hr	96-Hr
Primary Control/ Dilution Water	0	0	0	0	>100%	>100%	>100%	>100%
	(0)	(0)	(0)	(0)	(N/A)	(N/A)	(N/A)	(N/A)
Secondary Control	N/A				LC_{50} 95% Confidence Limits (EC_{50} 95% Confidence Limits)			
	( )	( )	( )	( )	24-Hr	48-Hr	72-Hr	96-Hr
10 % Effluent	0	0	0	0				
	(0)	(0)	(0)	(0)	LL N/A	N/A	N/A	N/A
18 % Effluent	0	0	0	0	UL N/A	N/A	N/A	N/A
	(0)	(0)	(0)	(0)				
32 % Effluent	0	0	0	0	LL (N/A)	( )	( )	( )
	(0)	(0)	(0)	(0)	UL (N/A)	( )	( )	( )
56 % Effluent	0	0	0	0	LL = Lower Limit UL = Upper Limit			
	(0)	(0)	(0)	(0)				
100 % Effluent	0	0	0	0	Calculated TU_a Value: 1.0			
	(0)	(0)	(0)	(0)				
Near-Field Sample	N/A				Method(s) Used to Determine LC_{50}, EC_{50}, and Confidence Limit Values:			
	( )	( )	( )	( )	Visual Inspection			

[a]-cumulative percent affected is the total percentage of test organisms observed dead, immotile, exhibiting loss of equilibrium, or other defined endpoints (specify below): _____.

TOXICITY TEST CONDITIONS

TABLE

Summary of Toxicity Test Conditions	
1. Test Species and Age:	*Ceriodaphnia dubia* - <24-hours old
2. Test Type and Duration:	48-hour Static Acute
3. Test Dates:	14 February - 16 February 2006
4. Test Temperature (°C):	25.0°C ± 1°C
5. Light Quality:	50-100 ft candles
6. Photoperiod:	16 hours light / 8 hours dark
7. Feeding Regime:	None
8. Size of Test Vessel:	30 mL
9. Volume and Depth of Test Solutions:	25 mL / 25 mm
10. No. of Test Organisms per Test Vessel:	Five
11. No. of Test Vessels per Test Solution:	Four
12. Total No. of Test Organisms per Test Solution:	20
13. Test Concentrations (as percent by volume effluent):	0, 10, 18, 32, 56, and 100%
14. Renewal of Test Solutions:	None
15. Dilution and Primary Control Water:	Moderately Hard Reconstituted Water
16. Secondary Control Water:	N/A
17. Aeration? Before/During Test:	None
18. Endpoints Measured:	LC_{50} and TU_a
19. If secondary control water used as diluent due to toxicity in primary control water, indicate number of consecutive tests conducted with alternative diluent:	N/A

OEPA Permit No.: _____

ACUTE TOXICITY TEST RESULTS

TABLE

Results of a *Ceriodaphnia* (genus) *dubia* (species) 48-Hour Static Acute Toxicity Test

Conducted 02/14/06 (mm/dd/yy) - 02/16/06 (mm/dd/yy) Using Effluent from Outfall 001 (number).

Test Solutions	Cumulative Percent Mortality (Cumulative Percent Affected)[a] 24-Hr	48-Hr	72-Hr	96-Hr	LC_{50} Values (EC_{50} Values) 24-Hr	48-Hr	72-Hr	96-Hr
Primary Control/ Dilution Water	0 (0)	0 (0)	( )	( )	>100% (N/A)	>100% (N/A)	( )	( )
Secondary Control	N/A ( )	( )	( )	( )				
10 % Effluent	0 (0)	0 (0)	( )	( )				
18 % Effluent	0 (0)	0 (0)	( )	( )				
32 % Effluent	0 (0)	0 (0)	( )	( )				
56 % Effluent	0 (0)	0 (0)	( )	( )				
100 % Effluent	0 (0)	0 (0)	( )	( )				
Near-Field Sample	N/A ( )	( )	( )	( )				

LC_{50} 95% Confidence Limits (EC_{50} 95% Confidence Limits)

	24-Hr	48-Hr	72-Hr	96-Hr
LL	N/A	N/A		
UL	N/A	N/A		
LL	(N/A)	(N/A)	( )	( )
UL	(N/A)	(N/A)	( )	( )

LL = Lower Limit
UL = Upper Limit

Calculated TU_a Value: 1.0

Method(s) Used to Determine LC_{50}, EC_{50}, and Confidence Limit Values:

Visual Inspection

[a]-cumulative percent affected is the total percentage of test organisms observed dead, immotile, exhibiting loss of equilibrium, or other defined endpoints (specify below):

_____.